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CONT.

--(New) The composition of the present invention comprises at least one application method selected from the group consisting of oral, parenteral, rectal, and topical administration. Further, administration on mammals comprises prevention or treatment of illnesses selected from the group consisting of AIDS-associated dementia, Alzheimer's disease, benign senile forgetfulness, Down's syndrome-associated dementia, Lewy body dementia, multi-infarct dementia, multiple sclerosis, Parkinson's disease-associated dementia, tardive dyskinesia, Wernicke-Korsikoff syndrome, and alcoholism-associated dementia.--

--(New) The phosphoester of the composition of the present invention is selected from the group consisting of phosphatidylcholine, phosphatidylserine, phosphatidylethanolamine and phosphatidylinositol. Preferably, two phosphoesters are used in the composition.--

--(New) The antioxidant combination of the present invention comprises at least one member selected from the group of antioxidants consisting of herbal, amino acid, mineral, and vitamin antioxidants. The herbal antioxidant comprises at least one member selected from compounds derived from the group consisting of citrus fruits, citrus peels, curcuma, ginkgo biloba, ginseng, gotu kola, proanthocyanidins, quercetin, and Siberian ginseng. The amino acid antioxidant comprises at least one member selected from the group consisting of acetyl-L-carnitine, L-glutamine, N-acetyl-L-cystine, L-lysine, L-methionine, and L-aurine. The antioxidant vitamin comprises at least one member selected from the group consisting of vitamin A, vitamin B₁, vitamin B₂, vitamin B₃, vitamin B₅, vitamin B₆, vitamin B₁₂, beta-carotene, vitamin C, vitamin E, L-glutathione, lipoic acid, lutein, lycopene, ubiquinone, and zeaxanthin. The antioxidant mineral comprises at least one member selected from the group consisting of boron, chromium, manganese, magnesium, selenium, and zinc.--

--(New) The phosphoester of the composition may comprise a daily dosage of between approximately 0 mg and approximately 16,000 mg of phosphatidylcholine, between approximately 0 mg and approximately 300 mg of phosphatidylserine, between approximately 0 mg and approximately 500 mg of phosphatidylethanolamine, and between approximately 0 mg and approximately 10,000 mg of phosphatidylinositol. The phosphoester of the composition

preferably comprises a daily dosage of between approximately 0 mg and approximately 1000 mg of phosphatidylcholine, between approximately 0 mg and approximately 100 mg of phosphatidylserine, between approximately 0 mg and approximately 200 mg of phosphatidylethanolamine, and between approximately 0 mg and approximately 1000 mg of phosphatidylinositol.--

--(New) The herbal antioxidant of the composition comprises a daily dosage of between approximately 0 mg and approximately 7 mg of barberry, between approximately 0 mg and approximately 70 mg of bilberry proanthocyanidins, between approximately 0 mg and approximately 150 mg of lemon bioflavonoids, between approximately 0 mg and approximately 150 mg of lime bioflavonoids, between approximately 0 mg and approximately 150 mg of orange bioflavonoids, between approximately 0 mg and approximately 1000 mg of curcuma, between approximately 0 mg and approximately 2 mg of garlic bioflavonoids, between approximately 0 mg and approximately 180 mg of ginkgo biloba, between approximately 0 mg and approximately 2000 mg of ginseng, between approximately 0 mg and approximately 100 mg of gotu kola, between approximately 0 mg and approximately 1000 mg of grape seed proanthocyanidins, between approximately 0 mg and approximately 1000 mg of red apple quercetin, between approximately 0 mg and approximately 1000 mg of red onion quercetin, and between approximately 0 mg and approximately 400 mg of Siberian ginseng. The herbal antioxidant preferably comprises a daily dosage of between approximately 0 mg and approximately 35 mg of barberry, between approximately 0 mg and approximately 35 mg of bilberry proanthocyanidins, between approximately 0 mg and approximately 75 mg of lemon bioflavonoids, between approximately 0 mg and approximately 75 mg of lime bioflavonoids, between approximately 0 mg and approximately 75 mg of orange bioflavonoids, between approximately 0 mg and approximately 500 mg of curcuma, between approximately 0 mg and approximately 1 mg of garlic bioflavonoid, between approximately 0 mg and approximately 250 mg of ginkgo biloba, between approximately 0 mg and approximately 1000 mg of ginseng, between approximately 0 mg and approximately 50 mg of gotu kola, between approximately 0 mg and approximately 500 mg of grape seed proanthocyanidins, between approximately 0 mg and approximately 500 mg of red apple quercetin, between approximately 0 mg and

approximately 500 mg of red onion quercetin, and between approximately 0 mg and approximately 200 mg Siberian ginseng.--

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--(New) The antioxidant amino acid of the composition comprises a daily dosage of between approximately 0 mg and approximately 1500 mg of acetyl-L-carnitine, between approximately 0 mg and approximately 1500 mg of L-glutamine, between approximately 0 mg and approximately 1500 mg of L-lysine, between approximately 0 mg and approximately 1500 mg of L-methionine, between approximately 0 mg and approximately 1500 mg of L-aurine, between approximately 0 mg and approximately 1500 mg of N-acetyl-L-cystine, and between approximately 0 mg and approximately 800 mg S-adenosylmethionine. The antioxidant amino acid preferably comprises a daily dosage of between approximately 0 mg and approximately 800 mg of acetyl-L-carnitine, between approximately 0 mg and approximately 800 mg of L-glutamine, between approximately 0 mg and approximately 800 mg of L-lysine, between approximately 0 mg and approximately 800 mg of L-methionine, between approximately 0 mg and approximately 800 mg of L-aurine, between approximately 0 mg and approximately 800 mg of N-acetyl-L-cystine, and between approximately 0 mg and approximately 800 mg of S-adenosylmethionine.--

--(New) The antioxidant vitamin of the composition comprises a daily dosage of between approximately 0 mg and approximately 50,000 IU of beta carotene, between approximately 0 mg and approximately 10,400 IU of vitamin A, between approximately 0 mg and approximately 1000 mg of vitamin B₁, between approximately 0 mg and approximately 10 mg of vitamin B₂, between approximately 0 mg and approximately 1000 mg of vitamin B₃, between approximately 0 mg and approximately 500 mg of vitamin B₅, between approximately 0 mg and approximately 500 mg of vitamin B₆, between approximately 0 mg and approximately 500 mg of vitamin B₆ (pyridoxal 5'-phosphate), between approximately 0 mg and approximately 1000 mg of vitamin B₁₂, between approximately 0 mg and approximately 3000 mg of vitamin C, between approximately 0 mg and approximately 800 mg of vitamin E, between approximately 0 mg and approximately 1000 mcg of folic acid, between approximately 0 mg and approximately 2000 mg of L-glutathione, between approximately 0 mg and approximately 400 mg of lipoic acid,

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between approximately 0 mg and approximately 30 mg of lutein, between approximately 0 mg and approximately 15,000 mcg of lycopene, between approximately 0 mg and approximately 600 mg of ubiquinone, and between approximately 0 mg and approximately 500 mg of zeaxanthin.--

--(New) The antioxidant mineral of the composition comprises a daily dosage of between approximately 0 mg and approximately 100 mcg of boron, between approximately 0 mg and approximately 200 mcg of chromium, between approximately 0 mg and approximately 50 mg of manganese, between approximately 0 mg and approximately 1000 mg of magnesium, between approximately 0 mg and approximately 200 mcg of selenium, and between approximately 0 mg and approximately 100 mg of zinc.--

--(New) The composition may additionally comprise at least one component selected from the group consisting of bromelain, papain, and betaine. These may comprise a daily dosage of between approximately 0 mg and approximately 80 mg of bromelain, between approximately 0 mg and approximately 50 mg of papain, and between approximately 0 mg and approximately 50 mg of betaine.--

--(New) The resultant synergistic antioxidant compound may comprise at least one phosphoester and at least one herbal antioxidant, at least one phosphoester and at least one antioxidant mineral; at least one phosphoester and at least one antioxidant amino acid; at least one phosphoester and at least one antioxidant vitamin; at least one herbal antioxidant and at least one antioxidant mineral; at least one herbal antioxidant and at least one antioxidant amino acid; at least one antioxidant vitamin, at least one antioxidant mineral and at least one antioxidant amino acid; at least one antioxidant mineral and at least one antioxidant vitamin; at least one antioxidant amino acid and at least one antioxidant vitamin; at least one herbal antioxidant, at least one antioxidant mineral, and at least one antioxidant amino acid; at least one herbal antioxidant, at least one antioxidant mineral, and at least one antioxidant vitamin; and at least one antioxidant mineral, at least one antioxidant amino acid, and at least one antioxidant vitamin.--

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--(New) A primary object of this invention is to provide a composition for treatment of neurodegenerative disorders for administration to mammals that exhibits synergistic antioxidant and restorative effects on the nervous system.--

--(New) A primary advantage of this invention is a lowered dosage requirement for components.--

Please amend the claims as follows:

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28. (Amended) The composition of claim 1 wherein said synergistic antioxidant compound comprises at least one antioxidant mineral and at least one antioxidant amino acid.